

AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows, substituting any amended claim(s) for the corresponding pending claim(s):

1. (Currently Amended) A network connection system comprising:
 - a physical layer integrated circuit processing network data transmissions;
 - a transformer connected to the physical layer chip;
 - a network transmission medium interface directly connected to a secondary side windings of the transformer; and
 - a first portion of a docking connector also directly connected to the secondary side windings.

2. (Original) The network connection system according to claim 1, wherein the first portion of the docking connector is connected to signal traces between the transformer and the network transmission medium interface.

3. (Previously Presented) The network connection system according to claim 1, wherein the physical layer integrated circuit selectively provides one or more of a 10/100/1000BT connection to an Ethernet network.

4. (Original) The network connection system according to claim 1, wherein the network transmission medium interface is a first network transmission medium interface and wherein a second portion of the docking connector is coupled to a second network transmission medium interface.

5. (Original) The network connection system according to claim 4, wherein the first and second network transmission medium interfaces are RJ-45 connectors.

6. (Original) The network connection system according to claim 4, wherein the first network transmission medium interface and the first portion of the docking connector are disposed within a mobile computer and the second network transmission medium interface and the second portion of the docking connector are disposed within a docking station selectively receiving the mobile computer.

7. (Original) A mobile computer system including the network connection system according to claim 6, the mobile computer system further comprising:
- a processor within the mobile computer coupled by one or more interface devices to the physical layer integrated circuit; and
- connections within the docking station for one or more peripherals including a monitor, a keyboard or a mouse.
8. (Original) A mobile computer including the network connection system according to claim 1, the mobile computer further comprising:
- a processor coupled by one or more interface devices to the physical layer integrated circuit.
9. (Currently Amended) A method of providing a network connection comprising:
- processing network data transmissions within a physical layer integrated circuit connected to a transformer, wherein a network transmission medium interface and a first portion of a docking connector are directly connected to a secondary side windings of the transformer.

10. (Original) The method according to claim 9, further comprising:
driving signals on signal traces between the transformer and the network transmission medium interface, wherein the first portion of the docking connector is connected to the signal traces.
11. (Previously Presented) The method according to claim 9, further comprising:
selectively providing one or more of a 10/100/1000BT connection to an Ethernet network in the physical layer integrated circuit.
12. (Original) The method according to claim 9, further comprising:
connecting the first portion of the docking connector to a second portion of the docking connector, wherein the network transmission medium interface is a first network transmission medium interface and wherein the second portion of the docking connector is coupled to a second network transmission medium interface.
13. (Original) The method according to claim 12, wherein the first and second network transmission medium interfaces are RJ-45 connectors.

14. (Original) The method according to claim 12, wherein the first network transmission medium interface and the first portion of the docking connector are disposed within a mobile computer and the second network transmission medium interface and the second portion of the docking connector are disposed within a docking station selectively receiving the mobile computer.

15. (Original) The method according to claim 9, further comprising:
 checking for concurrent connection of the network transmission medium interface to a network transmission medium and coupling of the first portion of the docking connector to a network transmission medium; and
 responsive to detecting both connection of the network transmission medium interface to a network transmission medium and coupling of the first portion of the docking connector to a network transmission medium, issuing an alert.

16. (Currently Amended) A network connection system comprising:
 - a docking connector having first and second portions configured to be selectively engaged to provide an electrical connection;
 - first and second network connection interfaces, wherein the second network connection interface is coupled to the second portion of the docking connector; and
 - a transformer connected to a network physical layer chip, wherein ~~a secondary side windings of the transformer is are~~ connected directly connected to the first network connection interface and the first portion of the docking connector.
17. (Original) The network connection system according to claim 16, further comprising:
 - impedance compensation within the connection between the second portion of the docking connector and the second network connection interface.
18. (Previously Presented) The network connection system according to claim 17, wherein the network physical layer integrated circuit selectively provides one or more of a 10/100/1000BT connection to an Ethernet network.

19. (Original) The network connection system according to claim 18, wherein the first and second network connection interfaces are RJ-45 connectors.

20. (Original) The network connection system according to claim 19, wherein the first network connection interface, the first portion of the docking connector, the transformer, and the network physical layer integrated circuit are disposed within a mobile computer, and wherein the second network connection interface and the second portion of the docking connector are disposed within a docking station.